```
1    // This source code is subject to the terms of the Mozilla Public License 2.0 at https://mozilla.org/M
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3
4    //@version=4
5    study("Top Bottom Indicator",overlay=false)
6
7    per = input(14, title="Bottom Period")
8    loc = low < lowest(low[1], per) and low <= lowest(low[per], per)
9    bottom = barssince(loc)
10   plot(bottom,color=color.blue)
11
12   per2 = input(14, title="Top Period")
13   loc2 = high > highest(high[1], per2) and high >= highest(high[per2], per2)
14   top = barssince(loc2)
15   plot(top,color=color.red)
16
17   Buy = crossover(bottom,top)
18   Sell = crossunder(bottom,top)
19
20   plotshape(Buy,title="Buy", style=shape.triangleup,location=location.bottom, color=#008000, text="Buy",
21   plotshape(Sell,title="Sell",style=shape.triangledown,location=location.top, color=#FF0000, text="Sell'
22
23   background = top < bottom ? color.new(#0000FF,80) : top > bottom ? color.new(#FF0000,80) : na
24   bgcolor(color=background)
25
26   alertcondition(Buy, title="Buy Signal", message="Buy")
27   alertcondition(Sell, title="Sell Signal", message="Sell")
```

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